

University of Groningen

## Carrying capacity models should not use fixed prey density thresholds

van Gils, J A; Edelaar, P; Escudero, G; Piersma, T

*Published in:*  
Oikos

*DOI:*  
[10.1111/j.0030-1299.2003.12214.x](https://doi.org/10.1111/j.0030-1299.2003.12214.x)

**IMPORTANT NOTE:** You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2004

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

van Gils, J. A., Edelaar, P., Escudero, G., & Piersma, T. (2004). Carrying capacity models should not use fixed prey density thresholds: A plea for using more tools of behavioural ecology. *Oikos*, 104(1), 197-204. <https://doi.org/10.1111/j.0030-1299.2003.12214.x>

**Copyright**

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

**Take-down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

*Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.*

Tielbörger, K. and Valleriani, A. 2005. Can seeds predict their future? Germination strategies of density-regulated desert annuals. – *Oikos* 111: 235–244.

1) The abbreviation ESS in the abstract (p. 235) and introduction (p. 236) should be written out as ‘evolutionarily stable strategy’

2) Throughout the paper the reference to Appendix 1 should be understood as a reference to Appendix A.

3) The two equations in Eq. 2 on p. 239 should read:

$$\begin{aligned} S_{\text{good}}(t+1) &= (g_{\text{good}} S_{\text{good}}(t) + g_{\text{bad}} S_{\text{bad}}(t)) f(x) Y_{\text{good}} \\ &+ (1 - g_{\text{good}})(1 - d) S_{\text{good}}(t) \\ S_{\text{bad}}(t+1) &= (1 - g_{\text{bad}})(1 - d) S_{\text{bad}}(t) \end{aligned}$$

K. Tielbörger

---

Van Gils, J. A., Edelaar, P., Escudero, G. and Piersma, T. 2004. Carrying capacity models should not use fixed prey density thresholds: a plea for using more tools of behavioural ecology. – *Oikos* 104: 197–204.

The 2nd sentence of the caption of Fig. 1d should read: “adults.....have higher reproductive values than juveniles...” instead of: “adults.....have lower reproductive values than juveniles.....”.

J. A. van Gils